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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/336,990
Sheet 2 of 3		Filing Date	06/21/1999
		First Named Inventor	Jia Xu
		Group Art Unit	2156
		Examiner Name	Kenneth Tang
		Attorney Docket Number	

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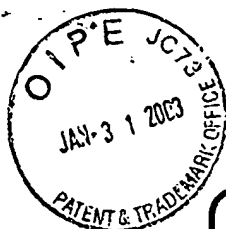
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KT	3	N. C. AUDSLEY, et al, "The end of the line for static cyclic scheduling?" Proc. Fifth Euromicro Workshop on Real-Time Systems, 36-41, 1993.	
KT	4	N.C. AUDSLEY et al, "Putting fixed priority scheduling theory into engineering practice for safety critical applications", 2nd IEEE RTAS'96, Boston, June 1996, p.2-10.	
KT	5	N.C. AUDSLEY, et al, "On fixed priority scheduling, offsets and co-prime task periods", Information processing letters, 67, 1998, p.65-69.	
KT	6	T. P. BAKER, et al, "The cyclic executive model and Ada," Journal of Real-Time Systems, vol. 1, p.7-25, June 1989.	
KT	7	A. BURNS, et al, "Generating Feasible Cyclic Schedules", Control Engineering Practice, vol. 3, No. 2, 1995, p.151-162.	
KT	8	A. BURNS, "Preemptive priority-based scheduling: an appropriate engineering approach", in Advances in Real-Time Systems, Ed. By S. H. Son, Prentice Hall, 1995, p.225-248,	
KT	9	A. BURNS, et al, "Effective analysis for engineering real-time fixed priority schedulers, "IEEE Trans. Software Eng., 21, 475-480, 1995.	
KT	10	R. DEVILLERS, et al, "General response time computation for the deadline driven scheduling of periodic tasks", Fundamenta Informaticae 34, 1999, p.1-21.	
KT	11	G. FOHLER, "Flexibility in Statically Scheduled Hard Real-Time Systems", Ph.D. thesis, Institute fur Technische Informatik, TUW, Austria, Apr. 1994, p.1-101.	
KT	12	G. FOHLER, et al, "Heuristic Scheduling for Distributed Hard Real-Time Systems", Research Report 12/1990, Institute fur Technische Informatik, TUW, Austria, 1990, p.1-19.	
KT	13	G. FOHLER, "Joint scheduling of distributed complex periodic and hard aperiodic tasks in statically scheduled systems", 16th IEEE RTSS'95, Dec. 1995, p.152-161.	
KT	14	R. GERBER, et al, "Guaranteeing real-time requirements with resource-based calibration of periodic processes", IEEE Trans. On Software Eng. 21, 7, July 1995, p.579-592.	
KT	15	J. GOOSSENS, et al, "The non-optimality of the monotonic priority assignments for hard real-time offset free systems", Real-Time Systems, Vol. 13, 1997, p.107-126.	
KT	16	M. IWASAKI, et al, "Isochronous Scheduling and its Application to Traffic Control", 19th IEEE Real-Time Systems Symposium, December 1998.	
KT	17	K. JEFFAY, et al, "On non-preemptive scheduling of periodic and sporadic tasks", Proc. 12th IEEE Real-Time Systems Symposium (RTSS'91), 1991, p.129-139.	
KT	18	H. KOPETZ, et al, "Distributed fault tolerant real-time systems: the MARS approach", IEEE Micro, Feb. 1989, p.25-40.	

Examiner Signature	Kenneth Tang	Date Considered	1/13/05
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KT	19	E.L. LAWLER, et al, "Scheduling periodically occurring tasks on multiple processors", Information Processing Letters, 12, 1, 1981, p.9-12.	
KT	20	D. W. LEINBAUGH, "Guaranteed response time in a hard real-time environment," IEEE Trans. Software Eng., vol SE-6, Jan. 1980, p.85-91.	
KT	21	J. Y.-T. LEUNG, et al, "A note on preemptive scheduling of periodic, real-time tasks," Information Processing Letters, vol. 11, Nov. 1980.	
KT	22	J. Y.-T. LEUNG, et al, "On the complexity of fixed-priority scheduling of periodic, real-time tasks", Performance Evaluation, 2, 1982, p.115-118.	
KT	23	M. A. LIVANI, et al, "EDF consensus on CAN bus access for dynamic real-time applications", 19th IEEE RTSS'98, December 1998.	
KT	24	C. D. LOCKE, "Software architecture for hard real-time applications: cyclic executives vs. fixed priority executives," Real-Time Systems, 4, 37-53, 1992.	
KT	25	G. MANIMARAN, et al, "A new approach for scheduling of parallelizable tasks in real-time multiprocessor systems", Real-Time Systems, 15, 1998, p.39-60.	
KT	26	A. K. MOK, "Fundamental Design Problems of Distributed Systems for the Hard-Real-Time Environment", Ph.D Thesis, MIT, Cambridge, Massachusetts, May 1983, p.1-183.	
KT	27	S. POLEDNA, et al, "ERCOS: an operating system for automotive applications", SAE International Congress, Detroit, SAE Press, 1996, p.1-11.	
KT	28	J.A. STANKOVIC, et al, "Deadline Scheduling For Real-Time Systems: EDF and Related Algorithms", Ch. 5, "Planning-Based Scheduling", Kluwer, 1998, p.87-120.	
KT	29	A.D. STOYENKO, et al, "Analyzing hard-real-time programs for guaranteed schedulability", IEEE Trans. On Software Eng., 17, 8, Aug. 1991, p.737-750.	
KT	30	J. K. STROSNIDER, et al, "The deferrable server algorithm for enhanced aperiodic responsiveness in hard real-time environments," IEEE Trans. Computers, 44, 1995, p.73-91.	
KT	31	A.J. WELLINGS, et al, "Real-Time Scheduling in a Generic Fault-Tolerant Architecture", Proc. IEEE Real-Time Systems Symposium (RTSS'98), Dec. 1998.	
KT	32	W. ZHAO, et al, "Scheduling tasks with resource requirements in hard real-time systems," IEEE Trans. on Software Engineering, vol. SE-13, May 1987.	

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Signature

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